

Delaware State Clearinghouse Committee Agenda

April 25, 2017

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
	None								
Continued									
1	3057	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$196,000	\$0	\$0	0.00	0.00	0.00
2	3053	Department of State, Libraries	Library Services and Technology Act	\$834,892	\$618,978	\$0	7.00	8.00	0.00
3	3016	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Substance Abuse Prevention and Treatment Block Grant	\$6,967,796	\$15,131,895	\$0	3.20	33.80	0.00
4	2017-02-20-01	Department of Health and Social Services, Administration, Office of the Secretary, Health Care Commission	Statewide Health Care Innovation Plan	\$0	\$0	\$350,000	0.00	0.00	0.00
5	3042	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware National Estuarine Research Reserve - Land Acquisition for Blackbird Creek Reserve	\$390,000	\$390,000	\$0	0.03	0.00	0.00
6	3051	Department of Transportation, Planning	High Priority Innovative Technology Deployment/Commercial Vehicle Information Systems and Networks	\$1,334,667	\$235,530	\$0	0.00	0.00	0.00
7	2981	Department of Labor, Employment and Training, Employment and Training Services	Apprenticeship USA	\$800,000	\$0	\$0	1.15	0.00	0.00
8	3056	Department of Agriculture, Plant Industries	Farm Bill - Honey Bee Survey	\$13,800	\$0	\$0	0.00	0.00	0.00
9	3054	Department of Education	Adult Basic Education	\$1,650,602	\$854,681	\$0	0.10	0.00	0.00
10	3059	Department of Education	State Assessments and Related Activities	\$3,572,743	\$0	\$0	1.70	0.00	0.00
11	3060	Department of Education	Title I, Part C - Migrant Education	\$288,932	\$0	\$0	1.30	0.00	0.00
12	3061	Department of Education	Migrant Education Program Consortium Incentive	\$133,333	\$0	\$0	0.00	0.00	0.00
13	3062	Department of Education	Title I, Part D - Prevention and Intervention Programs for Children and Youth Who are Neglected, Delinquent or At-Risk	\$539,822	\$0	\$0	0.00	0.00	0.00
Higher Education									
1	2017-04-01-01	HE/University of Delaware	NRI: Goal-Oriented, Subject Adaptive, Robot-Assisted Locomotor Learning (GOALL)	\$8,000	\$0	\$0			
2	2017-04-01-02	HE/University of Delaware	CPS: Medium: Collaborative Research: Constantly on the Lookout: Low-Cost Sensor Enabled Explosive Detection to Protect High Density Environments Yang	\$122,490	\$0	\$0			

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3	2017-04-01-03	HE/University of Delaware	Age-Dependent Osteoarthritis: Role of IGF-1, PAR-2 and TRPV4 Channels in Aging	\$1,250,000	\$0	\$0			
4	2017-04-01-04	HE/University of Delaware	PDCE/DASL will Support the NASSP in Implementation of a Grant From the Wallace Foundation to Coordinate PPLCs in National Convenings in March and October 2016	\$0	\$0	\$19,130			
5	2017-04-01-05	HE/University of Delaware	INFEWS/T3: Innovative Diagnostics for Improved Utilization of Water and Energy for Food Production: Integrating Biophysical and Social Factors	\$0	\$0	\$157,455			
6	2017-04-01-06	HE/University of Delaware	INFEWS/T3: Rebalancing the Natural P and N Cycles: Wastewater Removal of Phosphorus and Nitrogen with Recycle into Valuable Products	\$2,150,566	\$0	\$0			
7	2017-04-01-07	HE/University of Delaware	NSF CPS: Medium: Secure CPS Devices via Emanating Signals, Yang, Wang, Xia	\$677,467	\$0	\$0			
8	2017-04-01-08	HE/University of Delaware	Osteoarthritis and the Inhibition of Mevalonate Pathway	\$1,250,000	\$0	\$0			
9	2017-04-01-09	HE/University of Delaware	Farmers Market Healthy Recipe Demonstration Project 2017- 2019	\$0	\$0	\$9,000			
10	2017-04-01-10	HE/University of Delaware	Active Management of the Phytobiome of Triploid Watermelon (Citrullus lanatus var. lanatus); Plant Health and Disease Suppression Over the Melon Production Cycle	\$0	\$0	\$107,396			
11	2017-04-01-11	HE/University of Delaware	One Absorber Dual Junction Graphene-Silicon Thin Film Solar Cell	\$132,942	\$0	\$0			
12	2017-04-01-12	HE/University of Delaware	Assess and Sustainably Alleviate Arsenic Contamination in Food Chain, Water & Soil, and Bioenergy Production Process Associated with Rice Production and Utilization	\$0	\$0	\$320,261			
13	2017-04-01-13	HE/University of Delaware	Feasibility, Reliability, and Usability of Novel Technology for Objective and Prescriptive Evaluation of Physical Performance in Older Adults and Patients with Lower-Limb Conditions	\$0	\$0	\$392,487			
14	2017-04-01-14	HE/University of Delaware	SI2-SSE: Collaborative Research: Build a High-Performance Data-Driven Cloud Software Package for Big Streaming Data Analytics	\$167,088	\$0	\$0			
15	2017-04-01-15	HE/University of Delaware	SISI-SSE: Developing Efficient Software Elements for Compressible Multiphase Flows Using a Novel Mesoscopic Approach	\$334,356	\$0	\$0			
16	2017-04-01-16	HE/University of Delaware	Integrating Parenting and Financial Counseling	\$0	\$0	\$180,079			

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17	2017-04-01-17	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$144,231			
18	2017-04-01-18	HE/University of Delaware	Consulting Service Agreement Between University of Delaware and Center for Child & Family Health (CCFH) 3/14/17 - 9/30/17	\$0	\$0	\$13,888			
19	2017-04-01-19	HE/University of Delaware	Consulting Service Agreement Between University of Delaware and Center for Child & Family Health (CCFH) 10/1/17 - 3/13/18	\$0	\$0	\$13,888			
20	2017-04-01-20	HE/University of Delaware	New Castle County 4-H Youth Development Programming	\$0	\$0	\$84,000			
21	2017-04-01-21	HE/University of Delaware	NeTS: Medium: Collaborative Research: In-Band Full-Duplex Underwater Acoustic Networks	\$137,923	\$0	\$0			
22	2017-04-01-22	HE/University of Delaware	Quantum Energy and Sustainable Solar Technologies (QESST) Continuation Years 7-10	\$0	\$0	\$716,902			
23	2017-04-01-23	HE/University of Delaware	Genome Engineering of Clostridium Organisms for Production of Intermediate Carbon-Chain Length Metabolites	\$6,361,501	\$0	\$0			
24	2017-04-01-24	HE/University of Delaware	Incorporating Image-based Features into Biomedical Document Classification	\$1,753,983	\$0	\$0			
25	2017-04-01-25	HE/University of Delaware	Breast Displacement Studies with STF/Reebok	\$0	\$0	\$8,304			
26	2017-04-01-26	HE/University of Delaware	Fair Housing Project to Detect Differences in the Quality of Maintenance of Real Estate Owned Residential Properties Located in New Castle County, Delaware	\$0	\$0	\$21,183			
27	2017-04-01-27	HE/University of Delaware	Perform Ammonia Mass Flow Measurement for Matching Broiler Poultry Grow Houses, Located Near Frankford, Delaware	\$0	\$0	\$5,453			
28	2017-04-01-28	HE/University of Delaware	Engineering Feedstock Flexibility for Maximal Lipid Production by Yarrowia Lipolytica Using Cell-Wide Kinetic Models Informed by Cell-Wide Measurements	\$0	\$0	\$817,418			
29	2017-04-01-29	HE/University of Delaware	Laser Based Remote Magnetometry With Mesospheric Sodium Atoms for Geomagnetic Field Measurements	\$720,691	\$0	\$0			
30	2017-04-01-30	HE/University of Delaware	"Longitudinal Examination of Victimization Experiences of Latinos (LEVEL): Extending the Bias Victimization Study."	\$0	\$0	\$76,085			

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31	2017-04-01-31	HE/University of Delaware	Blueprint Communities Delaware Partnership	\$0	\$0	\$65,818			
32	2017-04-01-32	HE/University of Delaware	Mechanisms of Silicate Mineral Authigenesis at Low Temperatures and Short Timescales in Association With Sedimentary Organic Matter	\$0	\$0	\$110,000			
33	2017-04-01-33	HE/University of Delaware	Delaware Space Observations Center (DSPOC): A Program to Promote Funded Research in Experimental and Observational Space Physics	\$569,175	\$0	\$0			
34	2017-04-01-34	HE/University of Delaware	Arsenic-Mediated Fibrosis and Developmental Dysregulation in the Fetal Lung	\$275,000	\$0	\$0			
35	2017-04-01-35	HE/University of Delaware	Drug Delivery System Based on Near-IR Photocatalytic Activation of Tetrazine Ligation	\$275,000	\$0	\$0			
36	2017-04-01-36	HE/University of Delaware	Role of Surface Defects on Surfaces of Metal Oxides in Hydrogenation and Dehydrogenation Processes	\$0	\$0	\$110,000			
37	2017-04-01-37	HE/University of Delaware	Extreme Energy Particle Astrophysics with ANITA-V [University of Delaware] Co-I	\$376,974	\$0	\$0			
38	2017-04-01-38	HE/University of Delaware	Extending Industrial Assessment Centers to Underserved Areas	\$499,390	\$0	\$0			
39	2017-04-01-39	HE/University of Delaware	Development of a Self-Monitoring/Self-Management Program To Improve Sexual Function After SCI AND TBI	\$1,871,161	\$0	\$0			
40	2017-04-01-40	HE/University of Delaware	Shriners FES To Improve Crouch Gait in CP - Additional Funding	\$0	\$0	\$30,270			
41	2017-04-01-41	HE/University of Delaware	Transitioning the Existing Optical Phytoplankton Discriminator to an Operational Slocum Glider Sensor Payload for Phytoplankton Species, CDOM Absorption and Inherent Optical Properties	\$0	\$0	\$22,431			
42	2017-04-01-42	HE/University of Delaware	Coupling Metabolism to Mineralogical Scaffolding for Understanding Nano-Material Production in Metal-Oxidizing Bacteria	\$268,219	\$0	\$0			
43	2017-04-01-43	HE/University of Delaware	Systems Biology Models for COPD	\$0	\$0	\$75,000			
44	2017-04-01-44	HE/University of Delaware	Neurological and Cognitive Benefits of BrainGym Training in Older Adults with Mild Cognitive Impairment	\$0	\$0	\$65,897			

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45	2017-04-01-45	HE/University of Delaware	Formative and Pilot Intervention Research for Prevention and Treatment of HIV/AIDS (R34)	\$0	\$0	\$72,400			
46	2017-04-01-46	HE/University of Delaware	OFC OF ED UBMS JOHNSON 2017/18	\$271,789	\$0	\$0			
47	2017-04-01-47	HE/University of Delaware	Mechanical Biomarker for Mesial Temporal Sclerosis in Temporal Lobe Epilepsy	\$357,620	\$0	\$0			
48	2017-04-01-48	HE/University of Delaware	Spatially Targeted Biomaterials-Directed Engineering of the Adventitium to Enhance Cardiovascular Repair	\$306,694	\$0	\$0			
49	2017-04-01-49	HE/University of Delaware	AROQ LTD JUST-STYLE YEAR 2	\$0	\$0	\$15,000			
50	2017-04-01-50	HE/University of Delaware	Expand Public Health and Criminal Justice Intelligence on Cross-Agency Metrics for Effective Use by Policy-Makers, Agencies, Practitioners, and Other Parties in Combatting Delaware's Heroin and Opioid Problems	\$377,382	\$0	\$0			
51	2017-04-01-51	HE/University of Delaware	BIGDATA: IA: Collaborative Research: In Situ Data Analytics for Next Generation Molecular Dynamics Workflows	\$637,776	\$0	\$0			
52	2017-04-01-52	HE/University of Delaware	Mechanical and Genetic Regulation of Multiscale Smooth Muscle Contractions that Drive Airway Morphogenesis	\$15,000	\$0	\$0			
53	2017-04-01-53	HE/University of Delaware	Permafrost Modeling in the Dry Andes, Argentina	\$0	\$0	\$15,000			
54	2017-04-01-54	HE/University of Delaware	The Daily Reality of School Security and Discipline: Examining Perceptions of School Safety Practices among Students, Teachers, and Administrators	\$412,704	\$0	\$0			
55	2017-04-01-55	HE/University of Delaware	NOAA NWS National Mesonet Program 2017-2018	\$0	\$0	\$141,747			
56	2017-04-01-56	HE/University of Delaware	Physiological, Psychological, and Genomic Factors That Predict the Transition From Acute to Chronic Pain in Patients with Traumatic Lower Extremity Fracture	\$0	\$0	\$1,055,913			
57	2017-04-01-57	HE/University of Delaware	NSF Algebraic Methods in Combinatorics and Finite Geometry	\$10,000	\$0	\$0			
58	2017-04-01-58	HE/University of Delaware	Creation of a Preservation Planning Brochure for the Historic Preservation Commission	\$0	\$0	\$3,338			

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59	2017-04-01-59	HE/University of Delaware	National Register Historic District Update Survey Phase II	\$0	\$0	\$3,338			
60	2017-04-01-60	HE/University of Delaware	Chesapeake Bay Ecological Technology TRansition (C-BETTeR): An Integrated Observational, Modeling, and App-Based Prediction System	\$0	\$0	\$561,378			
61	2017-04-01-61	HE/University of Delaware	An Autonomous Profiling Vessel for Rapid Deployment	\$0	\$0	\$7,431			
62	2017-04-01-62	HE/University of Delaware	New Castle County FY17 NR/TBS	\$0	\$0	\$9,857			
63	2017-04-01-63	HE/University of Delaware	XPS: FULL: CCF: Collaborative Research: SPARTA: a Stream-based Processor And Run-Time Architecture	\$27,412	\$0	\$0			
64	2017-04-01-64	HE/University of Delaware	Building a Validation and Verification Suite for Open MP 4.5	\$38,225	\$0	\$0			
65	2017-04-01-65	HE/University of Delaware	Driving Next-Generation Schedulers with Machine Learning-Based Application Patterns	\$0	\$0	\$203,947			
66	2017-04-01-66	HE/University of Delaware	CHIP DESIGN/Air Force Research Laboratory "Efficient Arrays for Generating Light Emission (EAGLE)" Service Agreement, Kiamilev	\$0	\$0	\$3,497			
67	2017-04-01-67	HE/University of Delaware	Data Integration and Web-based Model Validation Tool for NOAA CO-OPS	\$1,061,917	\$0	\$0			
68	2017-04-01-68	HE/University of Delaware	Stochastic Hybrid Systems Approach to Uncovering Cell-Size Control Mechanisms	\$587,992	\$0	\$0			
69	2017-04-01-69	HE/University of Delaware	PADE First State Animal Shelter - SPCA	\$0	\$0	\$10,350			
70	2017-04-01-70	HE/University of Delaware	JPMC PHD Faculty Fellows	\$0	\$0	\$2,100,000			
71	2017-04-01-71	HE/University of Delaware	JPMC PHD Scholars	\$0	\$0	\$180,000			
72	2017-04-01-72	HE/University of Delaware	Knowledge Hub on Colored Gemstones and Sustainability	\$0	\$0	\$321,500			

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73	2017-04-01-73	HE/University of Delaware	ASTHO/Administrative Preparedness for Evacuation to Foster Adaptive Healthcare Networks	\$0	\$0	\$96,094			
74	2017-04-01-74	HE/University of Delaware	The Effects of Chemotherapy-Based Cognitive Deficits on Decision Making	\$0	\$0	\$702,440			
75	2017-04-01-75	HE/University of Delaware	Using Remotely-Sensed Earth Observation Data to Ensure Food Security for Commercial Poultry and Swine in North America from Avian and Swine Influenzas	\$0	\$0	\$1,980,506			
76	2017-04-01-76	HE/University of Delaware	Evaluation of Rumen Protected Lysine and Methionine Prototypes in Lactating Dairy Cows	\$0	\$0	\$27,927			
77	2017-04-01-77	HE/University of Delaware	OP: Collaborative Research: Integrated Simulation of Non-Homogeneous Thin-Film Photovoltaic Devices	\$9,000	\$0	\$0			
78	2017-04-01-78	HE/University of Delaware	The Impact of Financial Coaching Partnered with Early Childcare Programs on Financial Behaviors and Family Wellbeing	\$0	\$0	\$25,000			
79	2017-04-01-79	HE/University of Delaware	Master Players Concert Series	\$0	\$0	\$2,000			
80	2017-04-01-80	HE/University of Delaware	An fNIRS-Based Study Comparing Interpersonal Synchrony in Children With and Without Autism Spectrum Disorder (ASD)	\$0	\$0	\$5,000			
81	2017-04-01-81	HE/University of Delaware	Impact of Genetically Engineered Maize on The Immune Response of Diabrotica Virgifer Larvae to Soil Entomopathogens	\$421,109	\$0	\$0			
82	2017-04-01-82	HE/University of Delaware	Professional Development Services Including Coaching, Support and Follow Through for Caesar Rodney School District Educators	\$0	\$0	\$14,667			
83	2017-04-01-83	HE/University of Delaware	Dry Environment Friction Testing of Polymeric Brake Materials for Use in Space	\$0	\$0	\$5,000			
84	2017-04-01-84	HE/University of Delaware	Beginning Farmer Workshop	\$0	\$0	\$14,698			
85	2017-04-01-85	HE/University of Delaware	National Register Historic District Update Survey Phase III	\$0	\$0	\$3,386			
86	2017-04-01-86	HE/University of Delaware	A Comprehensive System for 3D Augmented Reality With Fusion on Radar, IR, Color, Depth (Using Stereo) and Classification of Hidden Target Objects	\$687,308	\$0	\$0			

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87	2017-04-01-87	HE/University of Delaware	Delaware Army National Guard Energy Assessment Program	\$69,696	\$0	\$0			
88	2017-04-01-88	HE/University of Delaware	Hybrid Integration of Nonlinear Crystals on Silicon Photonics for Space Communication and Sensing	\$474,718	\$0	\$0			
89	2017-04-01-89	HE/University of Delaware	Supporting Women and Children with Substance Use Recovery - A Family Unity Approach (SWC-FamU)	\$0	\$0	\$125,910			
90	2017-04-01-90	HE/University of Delaware	Electrochemical Production of High Concentration Ethanol from Carbon Dioxide	\$0	\$0	\$961,538			
91	2017-04-01-91	HE/University of Delaware	NSF Belmont Forum Transformations to Sustainability (T2S) Belmont Forum	\$134,406	\$0	\$0			
92	2017-04-01-92	HE/University of Delaware	Consequences of Immune Activation on Microglia-Mediated Synapse Remodeling and Learning in the Juvenile Rat	\$117,748	\$0	\$0			
93	2017-04-01-93	HE/University of Delaware	The Role of Hippocampal-Thalamo-Prefrontal Circuit Alterations in Behavioral Abnormalities in an Animal Model of FASD	\$117,748	\$0	\$0			
94	2017-04-01-94	HE/University of Delaware	Prefrontal Mechanisms of Impaired Cognition in a Rat Model of FASD	\$176,622	\$0	\$0			
95	2017-04-01-95	HE/University of Delaware	Stewardship Assistant Intern	\$0	\$0	\$5,000			
96	2017-04-01-96	HE/University of Delaware	Collaborative: SI2-S2I2 Conceptualization: Software Institute for Robust Science: Reproducibility, Automation and Trust in Software for Science	\$32,051	\$0	\$0			
97	2017-04-01-97	HE/University of Delaware	Mid-Atlantic Health Equity Scholars Program	\$0	\$0	\$181,734			
98	2017-04-01-98	HE/University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$214,790	\$0	\$0			
99	2017-04-01-99	HE/University of Delaware	Mesothelial Mechanotransduction as a Key Regulator of Embryonic Lung Growth	\$162,726	\$0	\$0			
100	2017-04-02-01	HE/University of Delaware	Physical Activity, Weight Gain, and Risk for Knee Osteoarthritis after Traumatic Knee Injury	\$177,222	\$0	\$0			

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101	2017-04-02-02	HE/Delaware State University	RCMI: Interdisciplinary Center for Behavioral and Neuroscience Research (BaNR)	\$16,089,830	\$0	\$681,012			
102	2017-04-02-03	HE/Delaware State University	Evaluating Biodiversity and Ecosystem Services Delivery of Isolated Wetlands at Delaware National Estuarine Research Reserve	\$8,290	\$0	\$0			
103	2017-04-02-04	HE/Delaware State University	Lyme and other Tick-Borne Disease Evaluation	\$16,000	\$0	\$0			
104	2017-04-02-05	HE/Delaware State University	Laser based remote magnetometry with mesospheric sodium atoms for geomagnetic field measurements	\$720,690	\$0	\$348,904			
105	2017-04-02-06	HE/Delaware State University	Mindfulness-Based Relapse Prevention (MBRP): Brain and behavioral mechanisms of change	\$607,605	\$0	\$0			
106	2017-04-02-07	HE/Delaware State University	Developing novel Miscanthus X Giganteus biomass with reduced recalcitrance and increased abiotic stress tolerance for sustainable production of biofuels and biochemical in marginal environments	\$9,767,593	\$0	\$0			
107	2017-04-02-08	HE/Delaware State University	Breath-Sense- Next Generation 3-D Bio-printed Wearable Sensors for Human Health Monitoring	\$72,096	\$0	\$0			
108	2017-04-02-09	HE/Delaware State University	Assessment of Post-Release Mortality and Bycatch Rates of Atlantic Sturgeon in Modified Large Mesh Sink Gillnets in the NJ and NY Monkfish Fishery	\$189,986	\$0	\$113,302			
109	2017-04-02-10	HE/Delaware State University	Title X: Family Planning Services	\$16,110	\$0	\$0			
110	2017-04-02-11	HE/Delaware State University	Highly Selective Superparamagnetic Immunoassay with a Wide working Range	\$74,565	\$0	\$0			
111	2017-04-02-12	HE/Delaware State University	1890 Facilities Grant Program	\$700,653	\$0	\$0			
112	2017-04-02-13	HE/Delaware State University	Transferring the entire metabolic pathway of artemisinin biosynthesis from sweet wormwood (Artemisia annua) to cassava (Manihot esculenta crantz)	\$100,000	\$0	\$100,000			

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